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HAIPERN et al.

YOR9-2000-0582 US1 (BHZ) (8728-420)

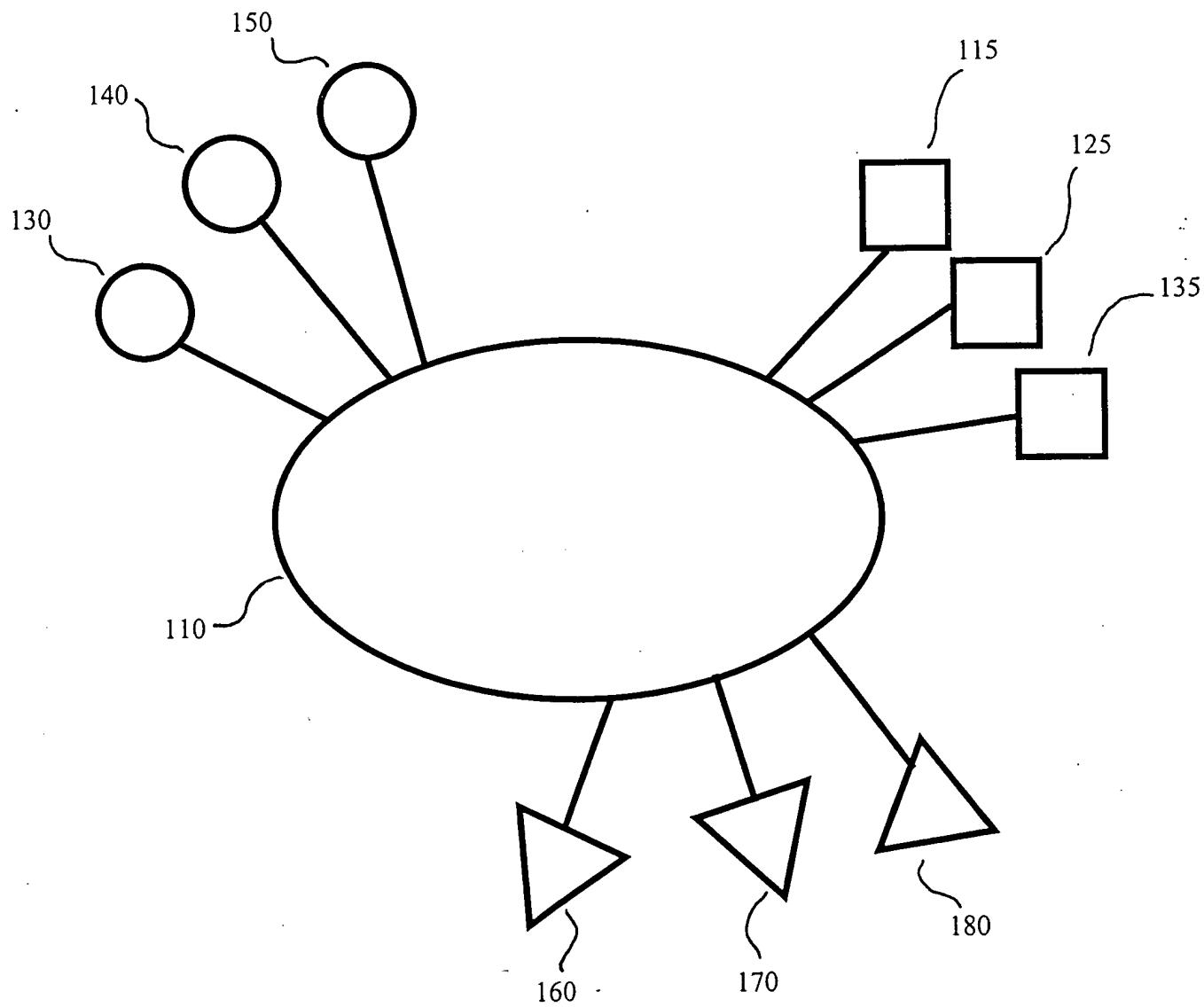


Fig. 1

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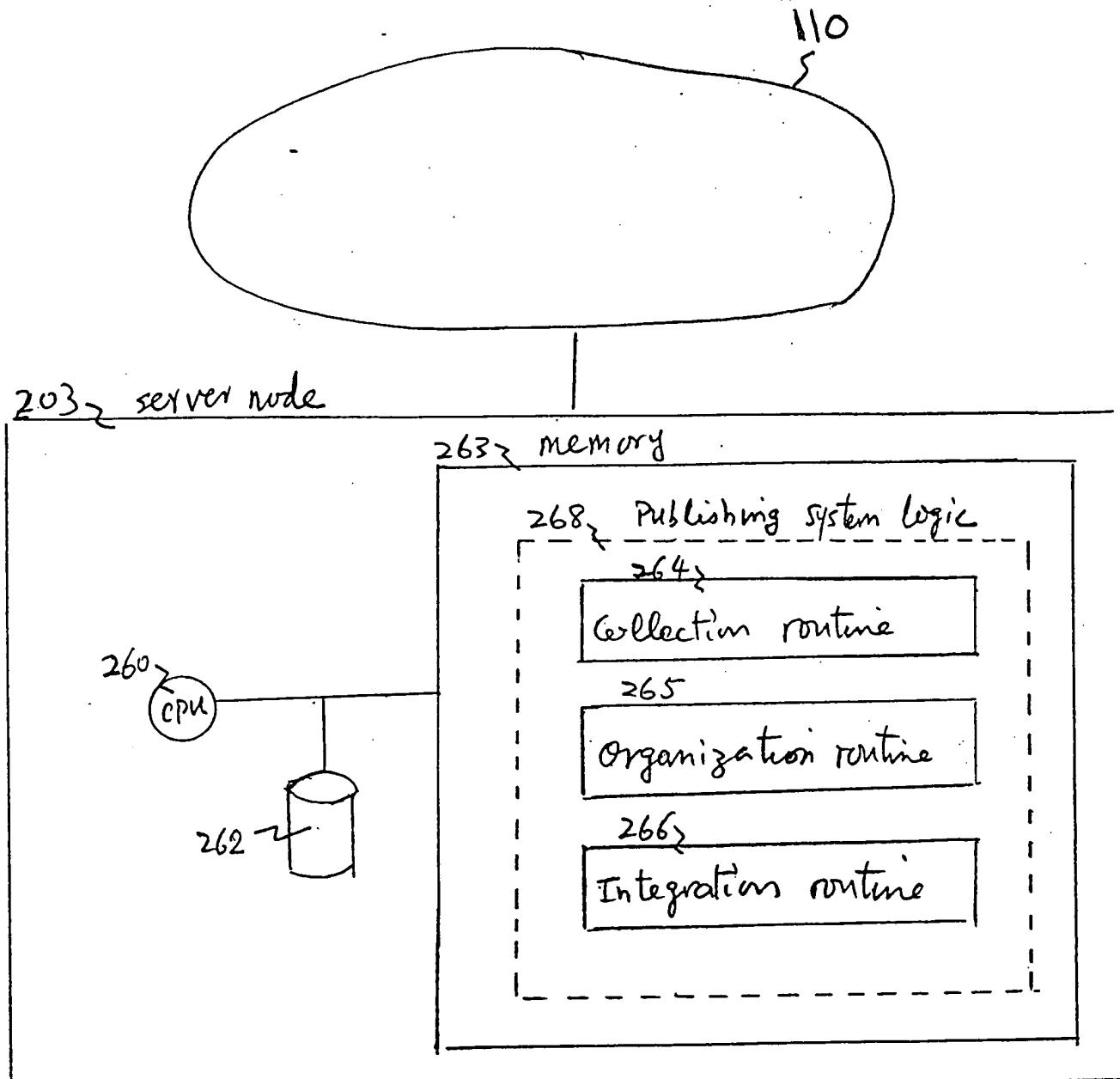
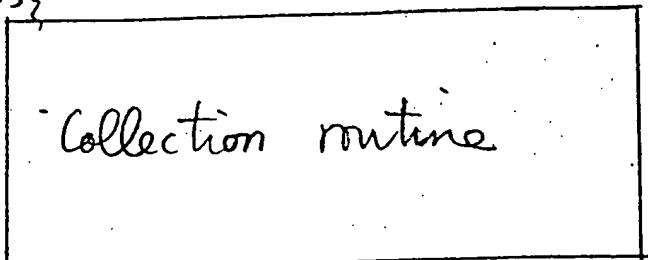


Figure 2

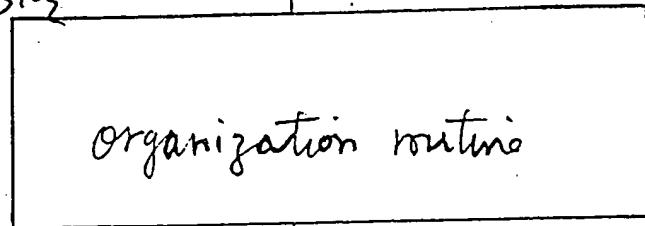
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YOR9-2000-0582451 (8728-420)

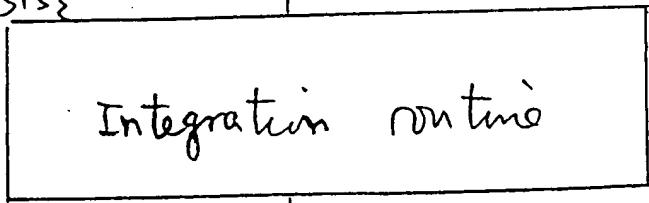
305<sub>2</sub>



310<sub>2</sub>



315<sub>2</sub>



320<sub>2</sub>

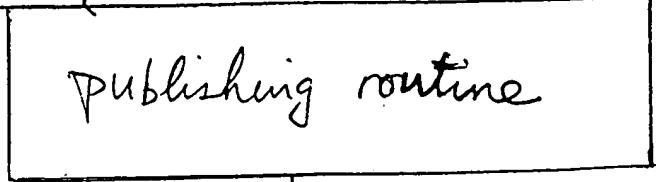


Figure 3

collection routine

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(8728-420)

5305

405

seed document routine

410

expansion routine

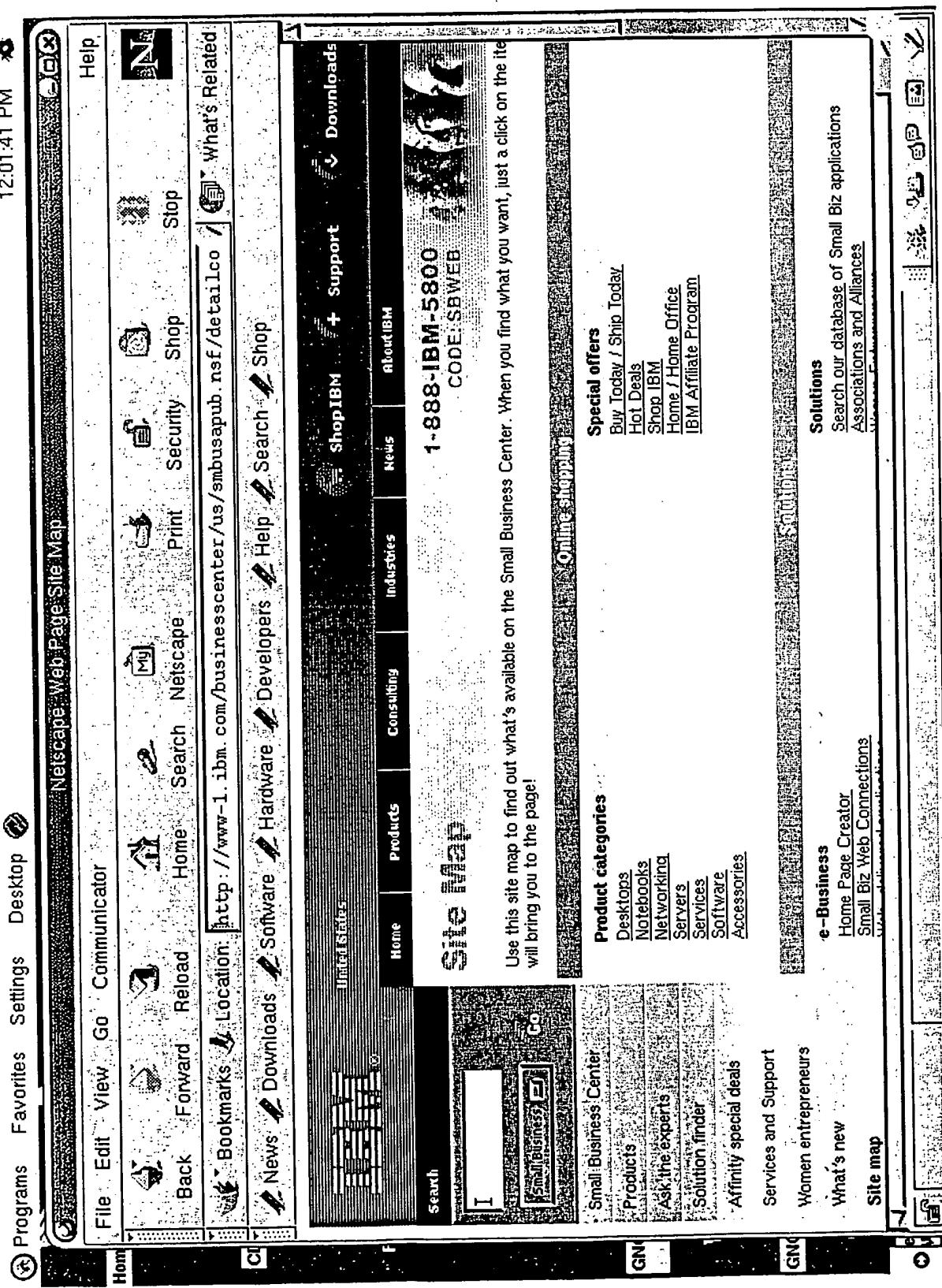
415

user interaction routine

finish

Figure 4

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YOK9-2000-0582 USI (8728-420)



5

organization routine

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YOR9-2001-0582 31 (8728-420)  
310  
S

605 -

Represent each document using  
a vector-space representation  
of words and the associated counts



610 -

Apply clustering algorithm to  
form a given number of subcollection



615 -

Determine the document order in  
each subcollection by invoking ordering routine



620 -

Derive suggestive titles for each  
subcollection



625 -

user modification routine



finish

Figure 6.

# ordering routine

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Yor9-2000-0562US1 (8-8-420)

615

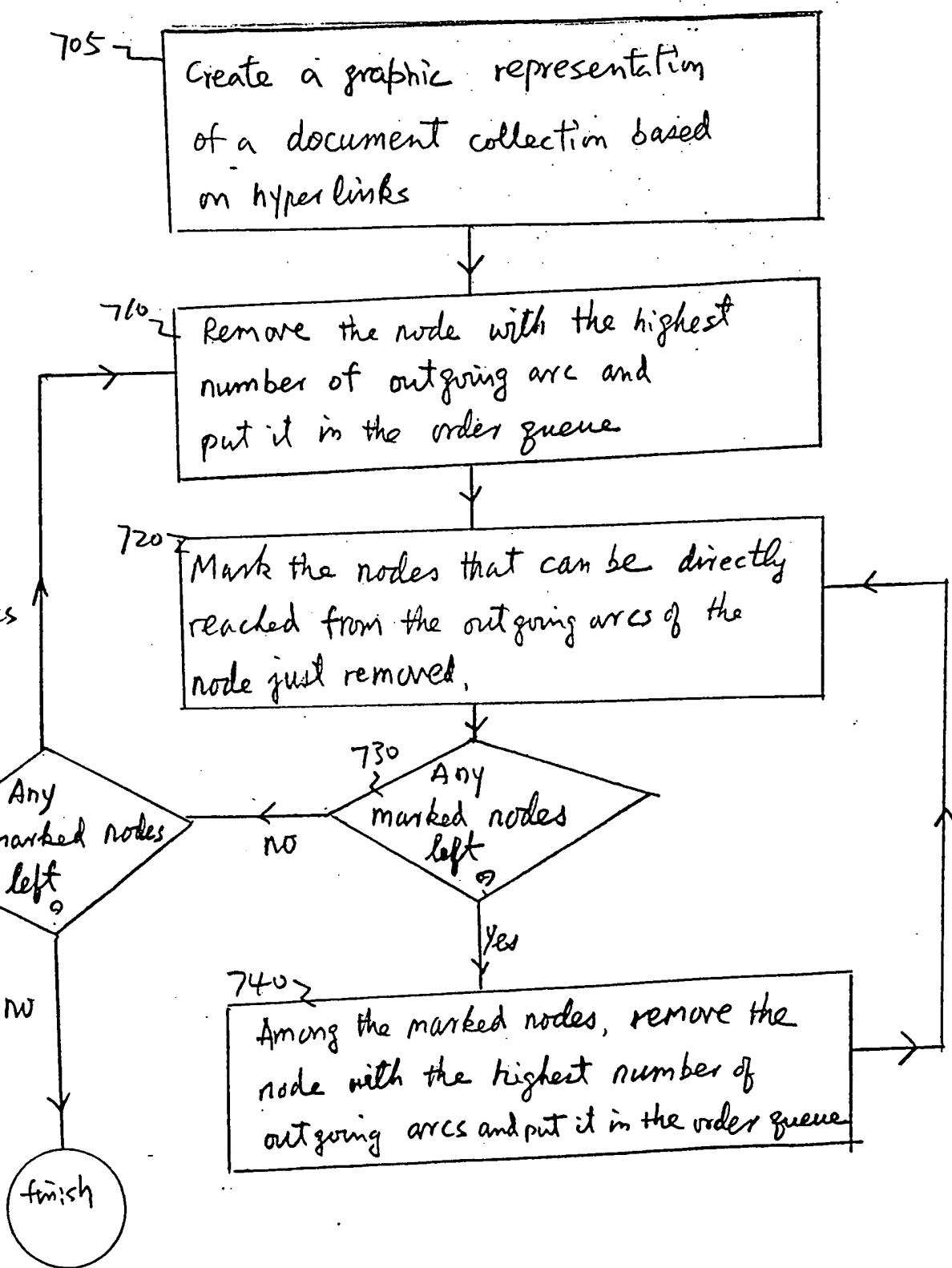


Figure 7

Integration routine

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Y0R9-2000-0582031  
(8128-402) 315

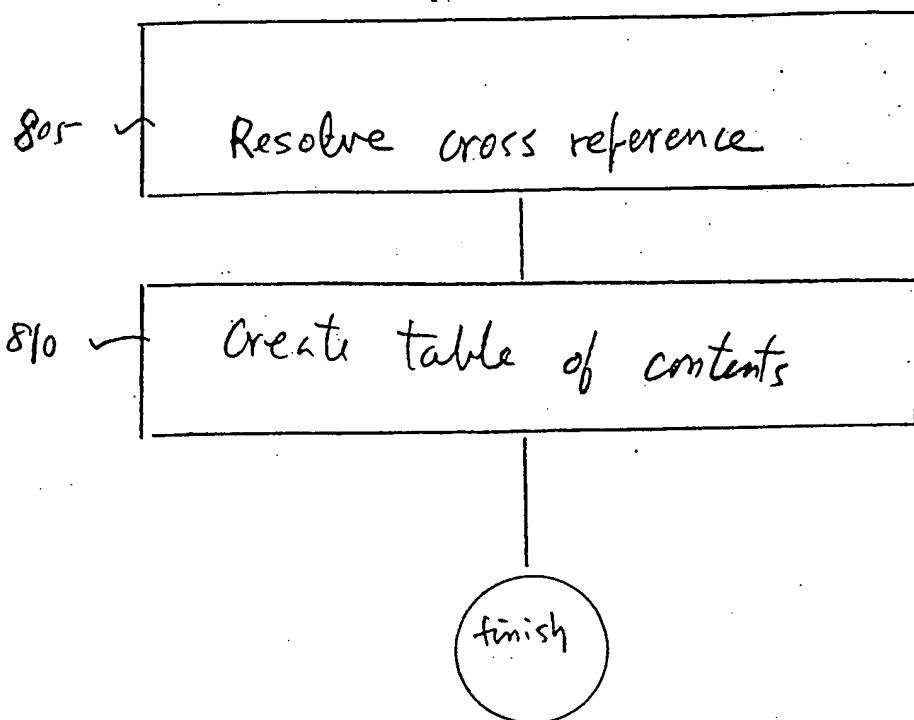


Figure 8

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905

Pick the node with the most number of outgoing arcs as an anchor node of level 1

910

for nodes directly pointed to by the anchor node, those that directly point back to the anchor node are also designated as level 1 nodes

915

order the level 1 node based on the number of outgoing arcs

920

$k \leftarrow 1$

925

for each level  $k$  node, the level  $(k+1)$  nodes under it are those nodes that are pointed to by its outgoing arcs, but not yet taken by other nodes at earlier levels, or preceded it at the same level

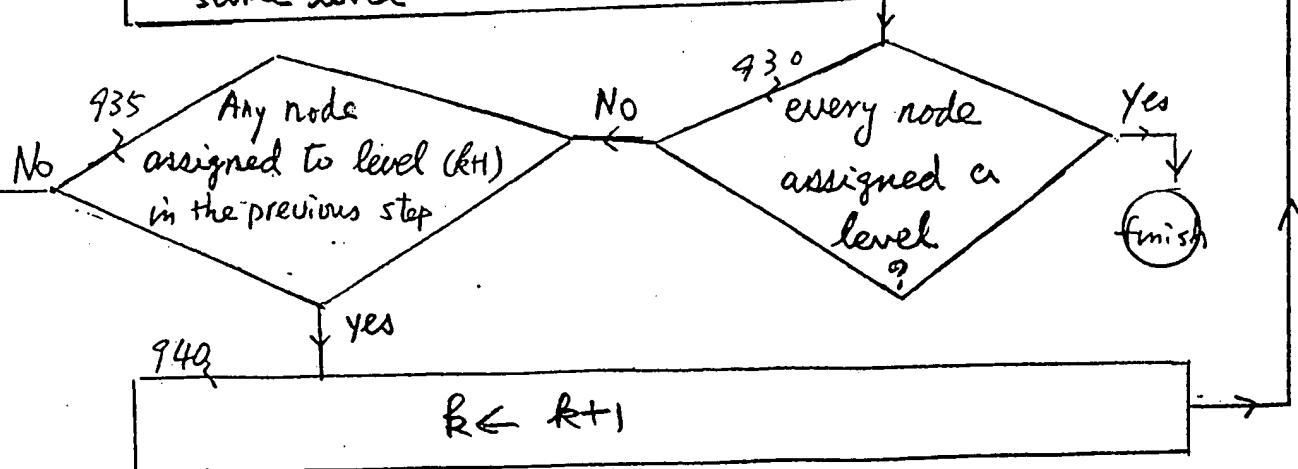


Fig 9